

LISTING OF CLAIMS

The following is a complete list of all claims in this application.

1. (Previously Presented) A method for fabricating a field emission display, comprising:
forming a cathode electrode on a substrate;
forming an emitter, comprising a carbon-based material, on the cathode electrode;
depositing an emitter surface treatment agent on the substrate to cover the
emitter after forming the emitter;
hardening the emitter surface treatment agent; and
removing the hardened emitter surface treatment agent from the substrate for exposing
the carbon-based material contained in the emitter.
2. (Previously Presented) The method of claim 1, wherein the step of forming the
emitter further comprises:
printing a paste, comprising the carbon-based material, on the cathode electrode; and
heat-treating the printed paste at a temperature lower than a complete-baking
temperature for the paste.
3. (Previously Presented) The method of claim 2, wherein the paste is printed by a
screen-printing process using a metal mesh screen.
4. (Original) The method of claim 1, wherein the carbon-based material is selected from
the group consisting of a carbon nanotube, graphite, and diamond.

5. (Previously Presented) The method of claim 1, wherein the emitter surface treatment agent is deposited by a spin-coating process.

6. (Original) The method of claim 1, wherein the emitter surface treatment agent is hardened by a heat-treatment process.

7. (Previously Presented) The method of claim 1, wherein the emitter surface treatment agent comprises a polyimide solution.

8. (Original) The method of claim 2, wherein the printed paste is heat-treated at the temperature of about 350-430°C for about 2 minutes.

9. (Previously Presented) The method of claim 6, wherein the heat-treatment process comprises placing the substrate deposited with the surface treatment agent on a hot plate maintained at a temperature of about 90°C for about 20 minutes.

10. (Previously Presented) A method for forming a carbon-based emitter, comprising:
forming an emitter including a carbon-based material;
forming a surface treatment agent over the emitter after forming the emitter;
heating the surface treatment agent for forming a treatment film; and
removing at least a portion of the treatment film.

11. (Previously Presented) The method of forming a carbon-based emitter of claim 10, wherein the carbon-based emitter is used in a field emission display.

12. (Previously Presented) The method of forming a carbon-based emitter of claim 10, wherein the surface treatment agent comprises a polyimide solution.

13. (Previously Presented) The method of forming a carbon-based emitter of claim 10, wherein the heating of the surface treatment agent is to a temperature of about 90°C.

14. (Previously Presented) The method of forming a carbon-based emitter of claim 13, wherein the heating of the surface treatment agent is conducted for about 20 minutes.

15. (Previously Presented) The method of forming a carbon-based emitter of claim 10, wherein the carbon-based material includes at least one of a carbon-nanotube, graphite, and diamond.